

# Making 'more' sense out of books of ordinances!

*Introducing the 'entangled histories'-project*

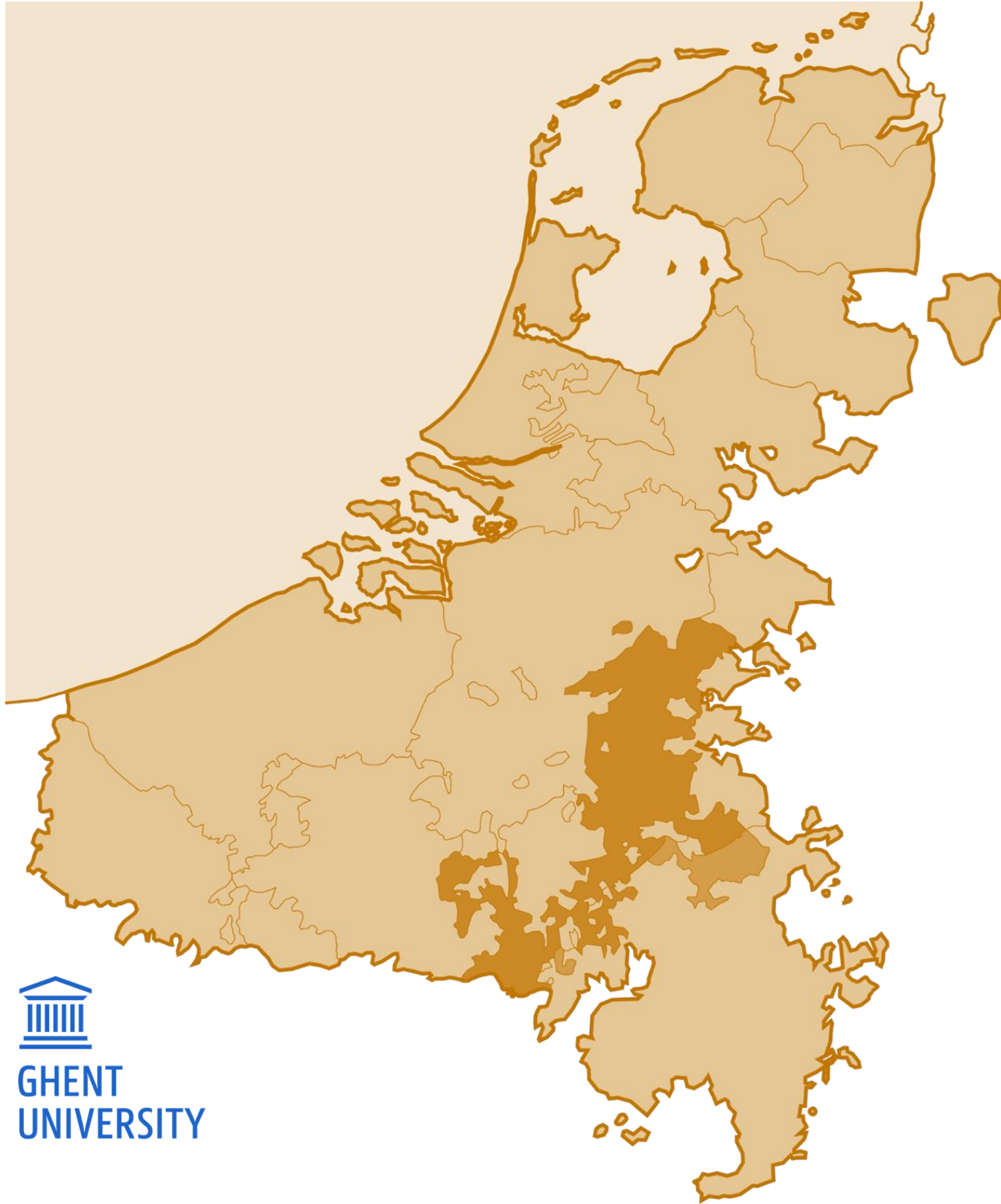
**Dr. C.A. [Annemieke] Romein – Liège, 15 June 2019**

# Research hypothesis

*Early modern European states struggled for survival, making it impossible to 'reinvent the wheel' each time a problem arose. Hence, it was of tremendous importance to copy, adapt and implement normative rules that were already proven successful elsewhere.*

# Sources

- Books of ordinances (plakkaatboeken)



# Sources:

- Number of sources: 100 (current digitised corpus)
- Font : 75 Roman, 20 Gothic
- Language: 60 NL, 20 FR (some mixed)
- Nbr of pages: ±70.000
- Nbr of characters: 450 mln
- Years of publication: mainly 17th and 18th c.
- Regions: nearly all 17 provinces (thus excl. Liège, Staverlot)

# Steps (aims) within the project

1. Quality enhancement of OCR through HTR
2. Segmentation based upon lay-out ('articles')
3. Categorisation through pre-trained Topic Modeling
4. Visualisations and connected data



# QUALITY ENHANCEMENT 'OCR' THROUGH 'HTR'



Server Overview Layout Metadata Tools

Logout info@caromein.nl

Document Manager

User Manager

Versions

Jobs

Recent Documents...

User activity

Collections:

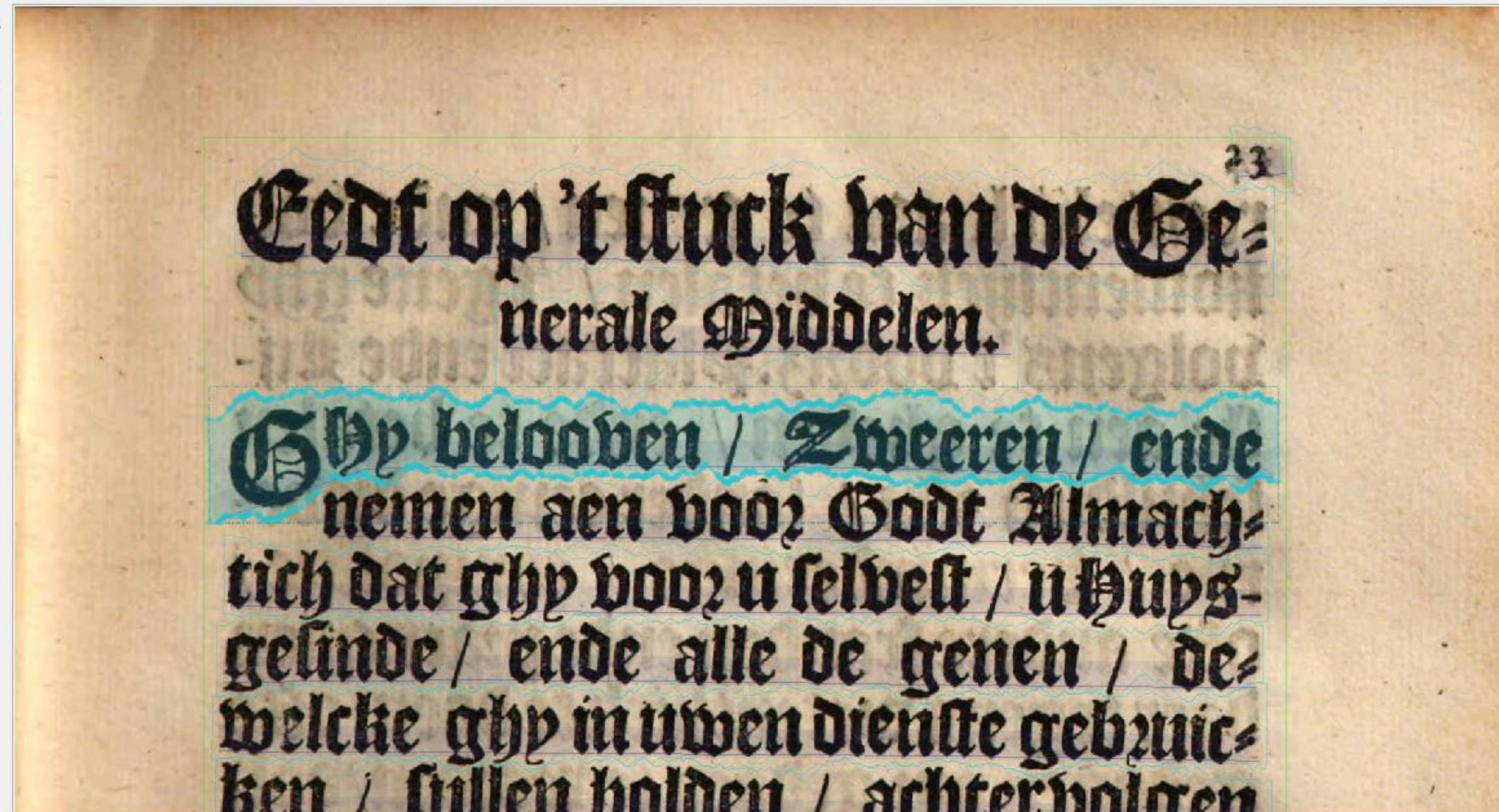
Plakaten (40652, Owner)

1-87 / 87 1 1 Doc-ID

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168...	UBL000003700_png	168	sara.veldho...	Mon Jun 03...
168...	UBA000168299_png	1358	sara.veldho...	Mon Jun 03...
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163...	KBNL03000013805_png	272	sara.veldho...	Thu May 16...

100

Filter

TR  
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H  
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...

1-1 23  
1-2 Eedt op 't stuck van de Ge-  
1-3 nerale Middelen.  
1-4 Ghy beloven/ Zweeren/ ende  
1-5 nemen aen voor Godt Almach-  
1-6 tich dat ghy voor n selvest/ uHuys-  
1-7 gesinde/ ende alle de genen/ de-  
1-8 welcke ghy in uwen dienste gebrui-

B I x x U S ...



Choose a model

Search:

Technology: Show all

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TestGGP3	Nederlands...	info@caromei...	CITlab HTR+	08.06.19	144...
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German Kurrent (Reichsgericht)	German	guenter	CITlab HTR	19.02.17	78
Konzilsprotokolle v1	German	philip	CITlab HTR	30.12.16	5
English Writing M1	English	Unknown	CITlab HTR	08.04.16	133

Details

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Language:

Description:

Parameters:

Nr. of Words:

Nr. of Lines:

Show Train Set

Show Test Set

Show Character Set

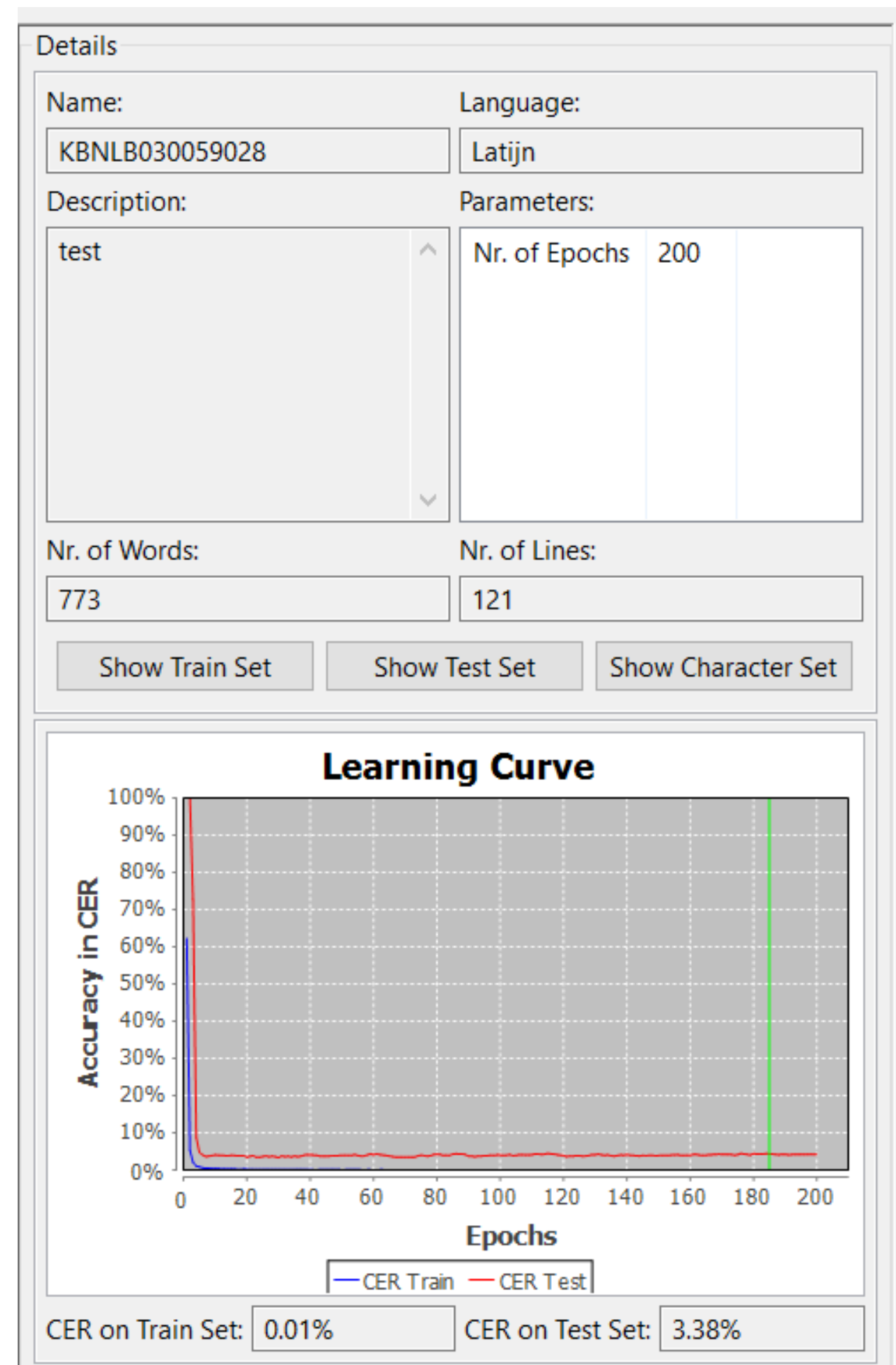
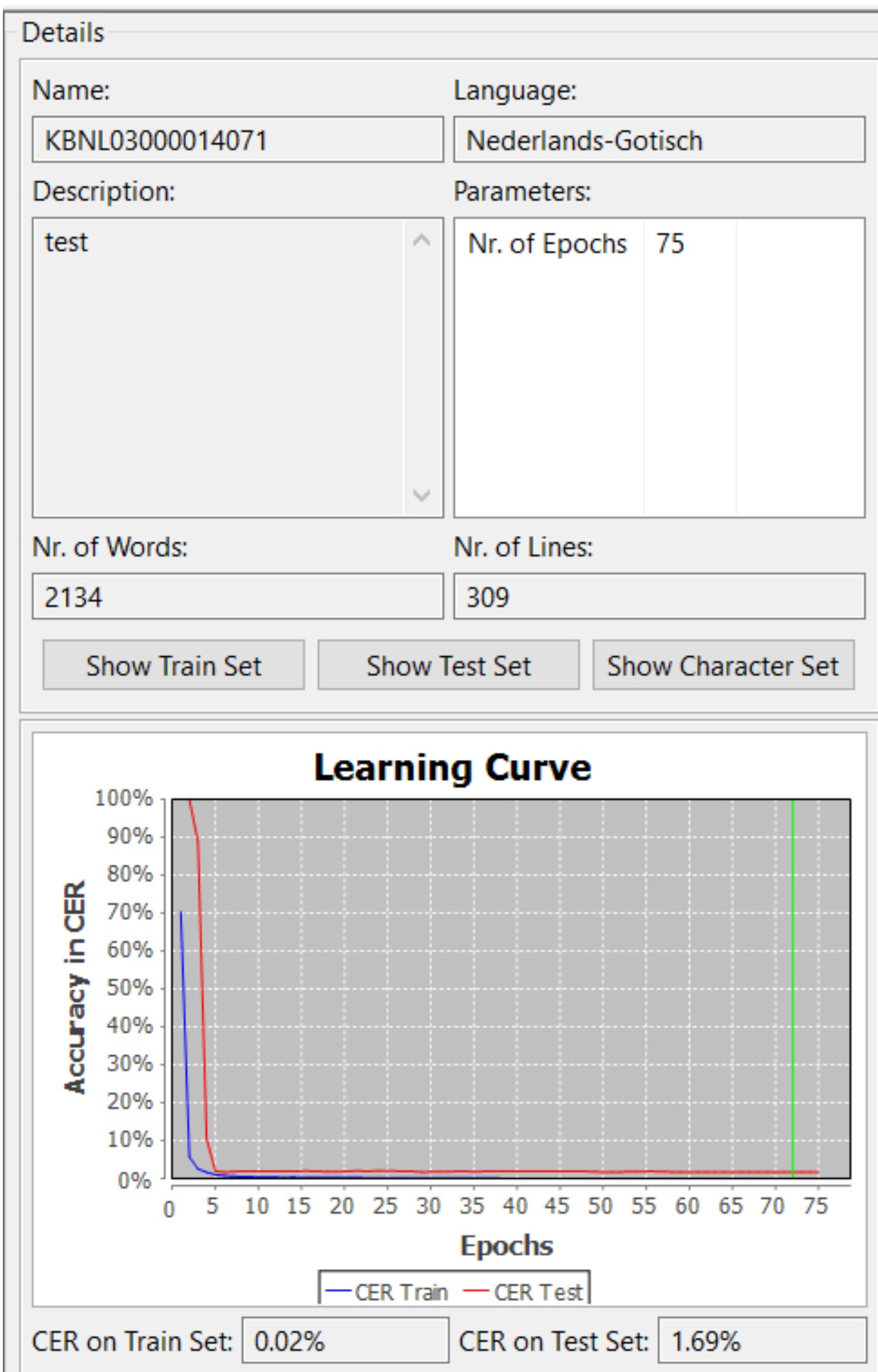
CER on Train Set:

CER on Test Set:

OK

Cancel





# SEGMENTATION

# CATEGORISATION

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# POLICEY

‘Good police was also often used as a synonym for ‘good order’ (Swedish *ordning*, Germ. *Ordnung*, Fr. *ordre*); order being understood in the widest possible sense, i.e., societal order including the social, economic, moral and religious spheres. Police as a state of affairs thus signified good societal order. Secondly, the term police was frequently used to signify *governmental action* through which maintenance of this societal order was to be achieved.’

Toomas Kotkas, *Royal Police Ordinances in early modern Sweden, the emergence of voluntaristic understanding of law* (Leiden 2013), p. 1.

- 1800 categories, hierarchical
- **1. Gesellschafts- und Sozialordnung. Religion (7)**
- **2. Öffentliche Sicherheit und Ordnung (4)**
- **3. Sozialwesen. Gesundheitswesen. Erziehungswesen. Kultur (4)**
- **4. Wirtschaftsordnung. Arbeits- und Berufsordnung (7)**
- **5. Bodenordnung; Bauwesen; Grundstückswesen. Öffentliche Einrichtungen (4)**

# Region specific?

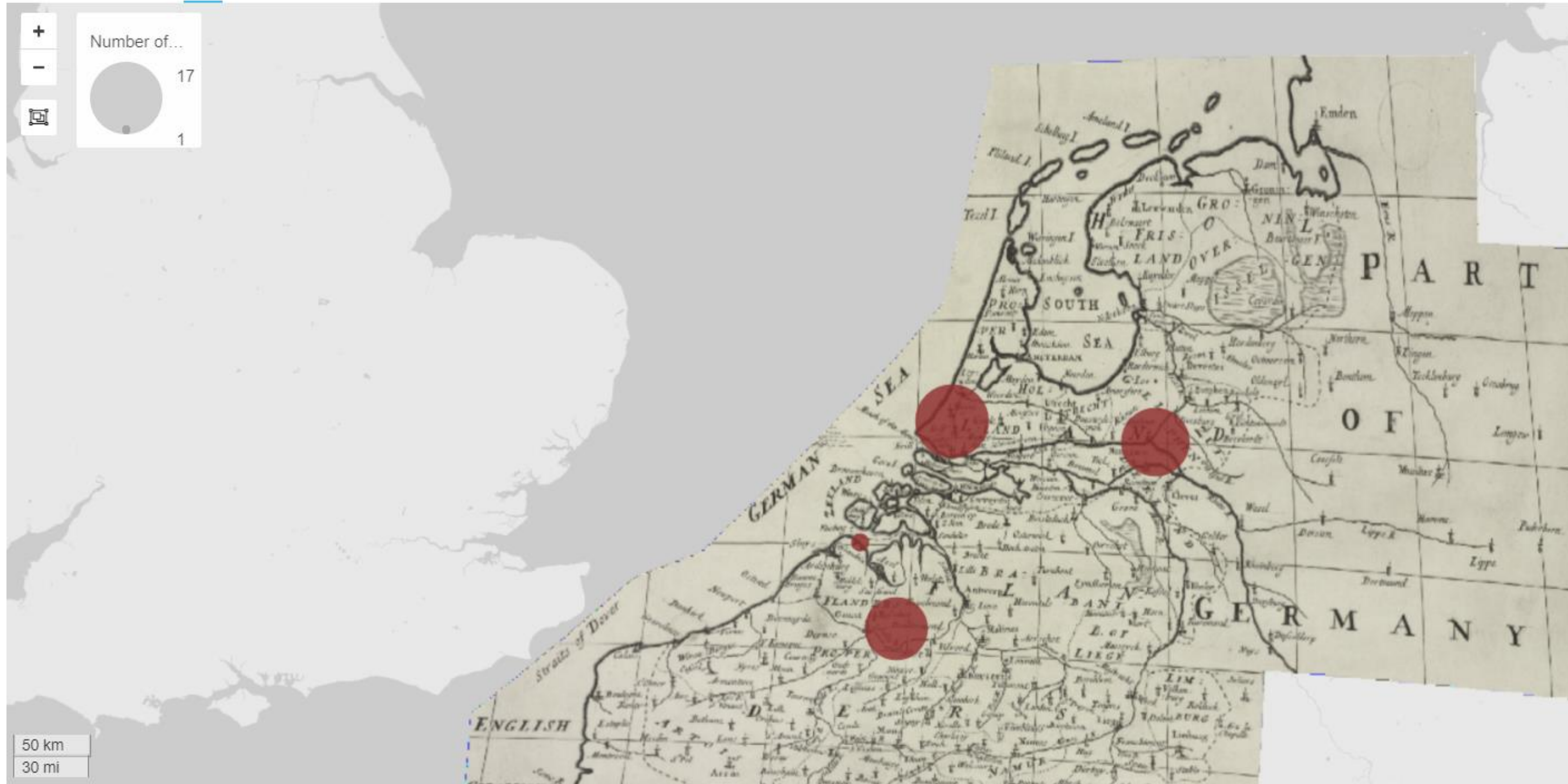
- Books of ordinances: treaties ( $\neq$  policey).
- Polders; admiralty; colonies.



# VISUALISATION - GPS

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# Palladio (Stanford DH tool)



# Timeline

N=47

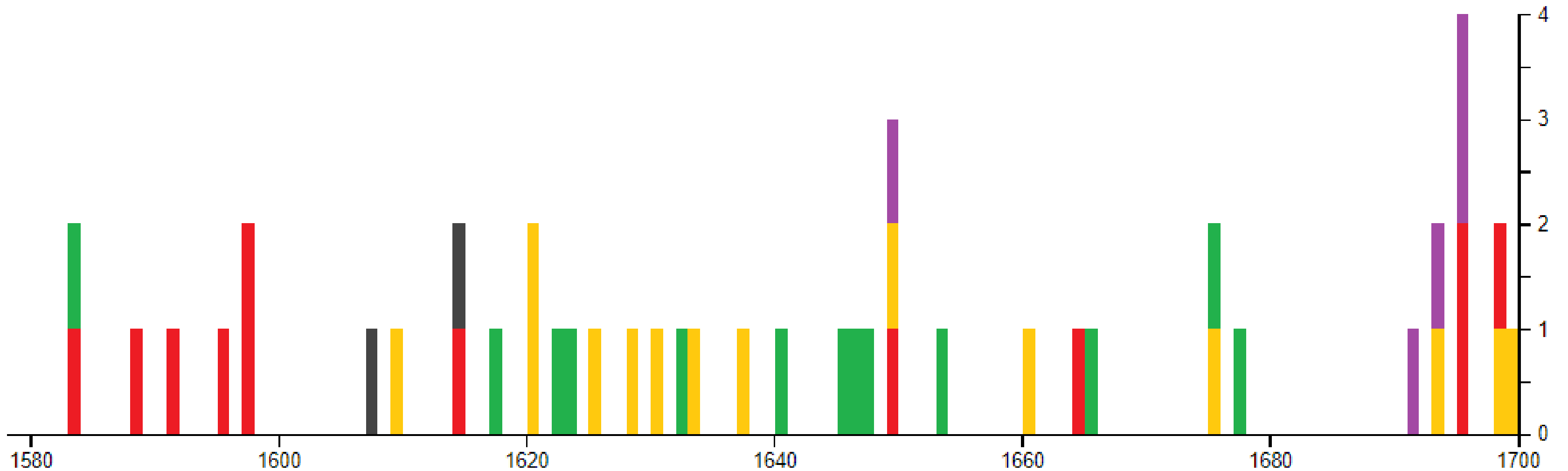
Holland = Red

Estates General = purple

Flanders = Green

Zeeland = Black

Gelders = Yellow





# BENEFIT FOR LEGAL HISTORY

# Benefits

- Overview of which publications of books of ordinances there actually where.
- DOI's for all of the 100 books
- Tool to add metadata to legal texts (policy-gesetzgebung)

# Steps





# PROJECT TEAM

- Annemieke Romein – PI
- Sara Veldhoen – Programmeur
- Michel de Gruyter – Project-advisor

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